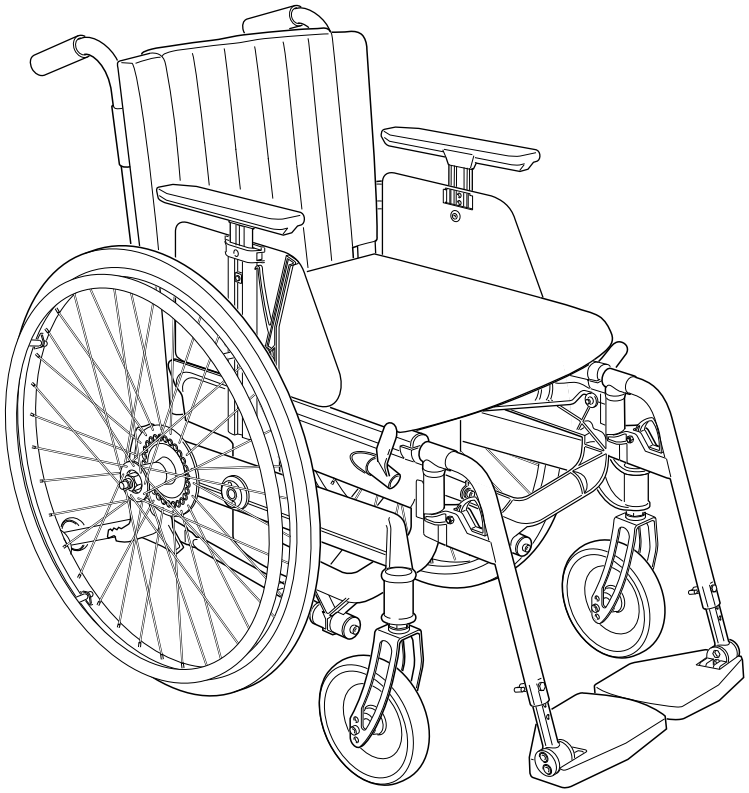
Next

Manual English

74466E 2015-01-21



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1 General

The manual must be read thoroughly to avoid damage when handling and using the Next chair.

is a warning triangle to indicate that special care should be taken.

(!) provides advice and tips worth considering

Anti-tips available as an accessory. These prevent the wheelchair from tipping backwards.
We recommend all users to use the anti-tip devices,
unless you are an experienced user with absolute control over your wheelchair.

Next is a manual, cross-folded, allround wheelchair with multiple functions that is intended for use both outdoors and indoors.
The seat is adjustable in height, angle and depth. The backrest is adjustable in height, angle and shape. The footrests are adjustable in height, angle and depth.
Next can be supplemented and adjusted if needs change. A large range of options and accessories are available: Various types of backrest and legrest, fixing points for transport in mobility service buses, anti-tips, and various types of handrims and brakes etc.
Next has the best prerequisites to create comfort, functionality and good manoeuvrability.

Crash test
Etac's wheelchairs are tested and approved in accordance with ISO 7176-19 and ISO 10542. These ISO standards specify requirements for the design of the wheelchair's restraint points, how the wheelchair and the user are secured in the vehicle, and also describe how tests should be carried out and how the test results should be interpreted.
Etac's wheelchairs are crash tested at the Technical Research Institute of Sweden.
The test was performed with normal settings on the wheelchair and with the transport attachment accessory (see manual). An UNWIN_WWR/ATF/K/R restraining device and an UNWIN_WWR/HD/ATF/K/R 3-point belt were used in the test.
Etac's positioning belt and headrest should be used when travelling in vehicles.

Seat widths:	From 35 cm to 57.5 cm.
Seat depth:	Short frame 36-42 cm. Long frame 42-48 cm.
Functional seat depth :	Short frame 42-48 cm. Long frame 48-54 cm.
Max. user weight:	135 kg.

Next with short frame is delivered with the rear wheels mounted. With long frame models the rear wheels are unmounted.

Service life: The product is tested and fulfils the demands stated in EN 12183. The main product's durability and lifetime is at least five years when used in accordance with intended use, the safety instructions, the reconditioning manual and instructions for use in the user manual. The main product consists of the chassis for seat and back support. Additional parts/accessories are handled in accordance with the manual and reconditioning manual. The actual lifetime can vary, depending on how much and how intensively the product is being used, but a maximum of 10 years. Thereafter the product must be decommissioned.

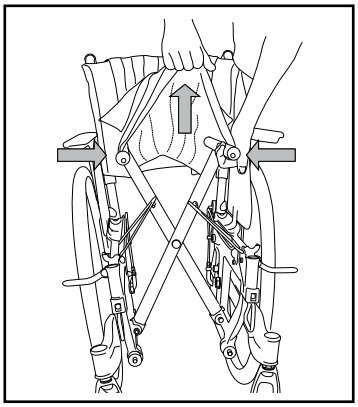
The following methods of surface treatment have been used:
Lacquered surfaces=Polyester powder coating
Non-lacquered aluminium parts=Anodized coating
Non-lacquered steel surfaces=Galvanized

The tool kit contains: 1 Allen key 5 mm.
1 Ring spanner 24 mm.

Settable= Adjusted using tools
Adjustable= Adjusted without tools

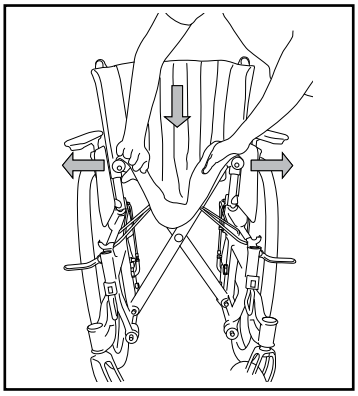
2 Handling/Transport

2:1 Folding



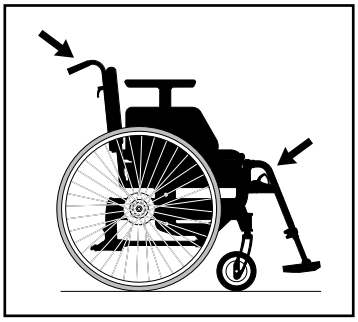
If a bow handle and/or **backrest** brace is mounted they should be removed.
Flip up the footrests.
Lift the seat upwards.

2:2 Unfolding



Push down on one side of the seat frame, using the whole of the flat of the hand.
Do not hold the seat frame while unfolding as there is a risk of pinching your fingers.
Flip down the footrests.

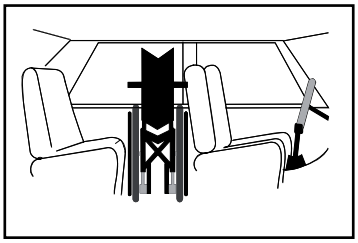
2:3 Lifting the wheelchair



Lift using the push handles and legrests.

Before lifting, ensure that the height adjustable push handles are securely fastened.

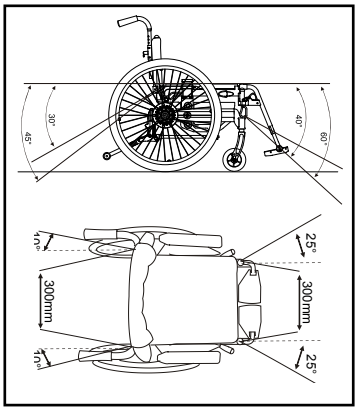
2:4 Transportation in vehicles



Private car/taxi: The wheelchair should be placed in the car boot.
If this is not possible, ensure that the wheelchair is placed safely in the back seat, so that it is not able to overturn or roll. If possible secure the wheelchair with the car's safety belt.

2 Handling/Transport

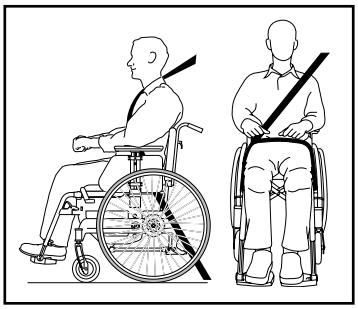
2:5 Securing



Mobility service bus or similar:
The wheelchair must be secured in the transport attachment (accessory) as shown in the diagram.
The straps must not be passed through the wheels or around the back tubes.

The back should be vertical and the seat should be horizontal for transport by vehicle.

2:6 Seat belt



It is essential for the 3-point belt to be fitted as shown in the illustrations. There should not be any part of the wheelchair between body and seat belt.

2:7 General recommendations for travelling in vehicles (!)

Etac recommends in the following order:

1) The user transfers to one of the seats in the vehicle and uses the vehicle's 3-point belt while travelling. The wheelchair is then placed in the boot or safely in the back seat so that it cannot overturn or roll.

2) The wheelchair is secured facing forwards in the vehicle as per point 2:5, the user uses a separate 3-point belt that is secured in the vehicle. This is the way in which the wheelchair is tested and approved according to the ISO-standard for crash testing of wheelchairs in vehicles.

3) According to directive 2001/85/EC, appendix VII, point 3.8.3. there are specially marked wheelchair locations in vehicles that permit transport with a wheelchair facing in the opposite direction of travel. If this means of travel is used, the user/care giver must be aware while travelling, prepared for sudden movements and have the capacity to maintain a safe sitting position throughout the entire journey. The user's disabilities must not be of such an extent that he/she is not able to hold onto the handles fitted in the vehicle when there are changes of speed or direction.

In conjunction with points 2 and 3:
- a positioning belt is recommended
- a correctly adjusted headrest should be used
- the backrest should be level with or above the user's shoulders
- the parking brake should be used
- the anti-tips should be lowered
- a heel strap should be used

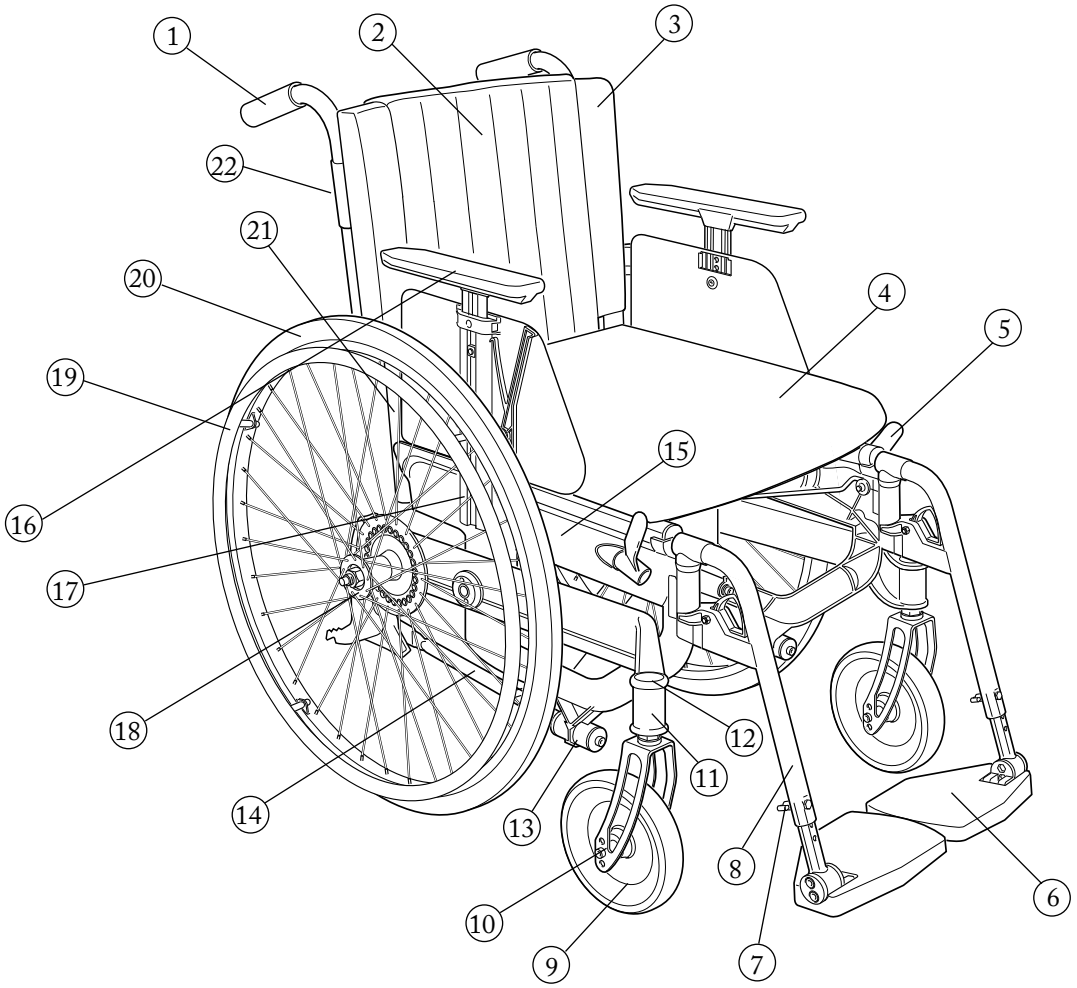
2 Handling/Transport

2:8 Warning ⚠

- During transport the headrest and heel strap must be used.
- The wheelchair positioning belt is inadequate to prevent the user from being thrown out of the wheelchair in the event of sudden braking.
- The restraining device must not be passed through the wheels or around the back tubes.
- Options/accessories that can be removed without tools, such as trays, must be removed and secured or placed where they cannot fly around inside the vehicle in the event of a collision.
- If the wheelchair has been involved in a collision in a motor vehicle, it should be inspected at a Technical Aids Centre or by Etac before being used again.

3 Product description

Next is constructed around a seat unit and a propulsion unit.
A height adjustment of 10 cm is possible without changing the rear wheels, front forks or castor wheels.
The seat height is not affected by the castor size, and the front fork attachments need never be angle-adjusted.
Nor do the brakes need to be adjusted when the rear wheel position is changed.



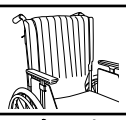
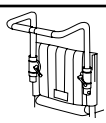
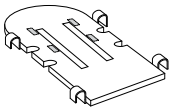
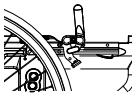
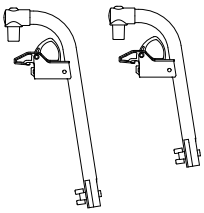
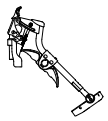
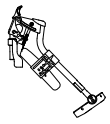
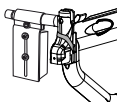
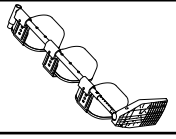
Item	Description	Item	Description
1	Push handles	13	Shock absorber
2	Backrest cover	14	Brace
3	Backrest upholstery	15	Side frame
4	Seat upholstery including cushion	16	Armrest, lockable
5	Brake	17	Armrest attachment
6	Footrest	18	Quick release hub
7	Footrest locking knob	19	Handrim
8	Legrest	20	Rear wheel
9	Castor wheel	21	Back tube
10	Front fork	22	Locking knob, push handles
11	Bar incl. front fork attachment		
12	Protective stopper		

4 Model

Standard model	Alternative model (option)
Seat settable in height and angle	Seat settable in height and angle
Front seat height set at 49 cm Rear seat height set at 46 cm The seat height can be adjusted by 10 cm without changing rear wheels, fork or castor wheels Cloth upholstery with adjustable seat depth 6 cm Castor wheels: 6" 150 mm allround	Front seat height 37-55 cm Hard seat/flat seat Castor wheels: 5" 125 mm, 7" 175 mm allround (7" only with 24" rear wheels)
24" rear wheel, quick release hub	20" or 22" rear wheels, quick release hubs
1" high pressure tyre (with inner tube) Handrims: Aluminium Camber angle 2°	22": 1" high-pressure tyres 20": 1 x 3/8" low-pressure tyre Solid tyres: 20", 22" and 24" Handrims: 22" and 24" stainless or plastic coated Handrims: 20" stainless Camber angle 0°
Backrest settable in height, angle and shape	Backrest settable in height, angle and shape
Backrest height installed at 35 cm continuously settable 30-45 cm Backrest angle set at +2° (=+92° between backrest and seat) Adjustable backrest upholstery in plush Height adjustable push handles, detachable	High back continuously settable 45-55 cm Tapered backrest continuously settable 37-42 cm (from seat width 40 cm) Biangular backrest settable 38-47 cm Backrest angle continuously settable between -5°-+15° Bow handle, detachable
Legrests - lockable, detachable, swing-away	Legrests - lockable, detachable, swing-away
Legrests with standard knee angle Footrests, flip-up, adjustable in height, settable in depth and angle	Legrest with narrow knee angle Legrest with narrow/short angle Legrests, continuously angle-variable Amputee legrest Footrests as standard with extended attachment tube (+10 cm height adjustment) or short attachment tube (-8 cm) One-piece footrest.

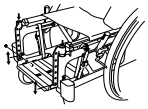
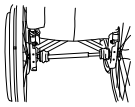
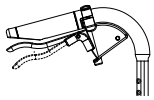
Given measurements can vary +/- 2%

5 Options

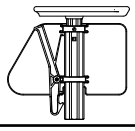
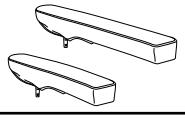
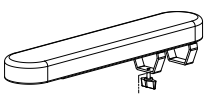
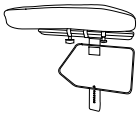
High back continuously settable in height 45-55 cm	
Tapered back continuously settable in height 37-42 cm Available from seat width 40 cm.	
Biangular backrest settable in height 38-47 cm	
Comfort cover padded backrest cover in plush for enhanced seating comfort	
Bow handle height adjustable, detachable	
Hard seat seat height 2 cm lower than cloth upholstery. Easy to take off when folding.	
Single hand brake for installation on right or left side	
Knee brake can be supplemented with brake lever extension and angled brake handle	
Legrest with narrow knee angle **Legrest** short, with narrow knee angle	
Angle adjustable legrest with flip-up calf support from 40 cm seat width	
Angle adjustable legrest with calf support adjustable in height, depth and angle	
Amputee legrest settable in height, adjustable in length, angle and sideways. Detachable cover in Plush or black Dartex.	
Amputee weight fitted on legrest attachment on right and/or left side. Can be combined with amputee legrest	
Plaster cast legrest settable vertically and laterally, adjustable in angle	

Settable= Adjusted using tools.
Adjustable= Adjusted without tools.

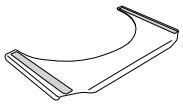
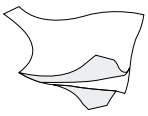
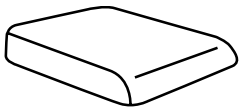
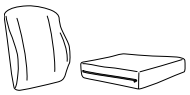
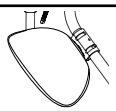
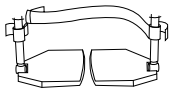
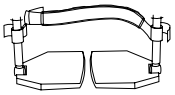
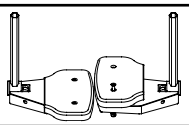
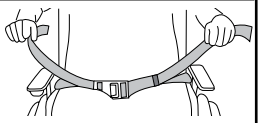
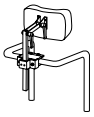
5 Options

One-piece footrest flip-up, adjustable in height and settable angle	
One-piece footrest complete for 35-37.5 seat width, adjustable in angle, settable in height and depth	
Handrims stainless or plastic coated	
Rear wheel alternative model available	
Single hand drive for right or left side. Telescoping axle, easy to remove when folding.	
Drum brake	

5 Accessories

Armrest lockable, height-adjustable 25 cm long, solid top, black	
Armrest, lockable, height-adjustable 38 cm long, solid top, black	
Armrest, lockable, low, height-adjustable, 25 or 38 cm long, solid top, black	
Armrest cover detachable, 25 or 38 cm long padded or gel, dark grey plush or black Dartex	
Armrest cushion wide and soft, fits onto armrest, 8x40 cm	
Armrest cushion Hemi swing-away for mounting on long armrests	

5 Accessories

Tray transparent, fits onto long armrest	
Hemiplegia tray transparent, for positioning of hemiplegic arm. Width 35-50 cm Can be fitted onto both short and long armrests.	
Anti-slip device for the Hemiplegia tray	
Seat cushion dark grey plush and black velour, 56 cm, cut according to seat depth set, washable	
Comfort wedge for the cushion, evens out the front part of the seat	
Seat and backrest cushions ECS in PE or memory foam, cover in dark-grey plush or black Dartex	
Cover for calf support on angle adjustable legrest, black Dartex	
Calf strap detachable, black nylon, settable in length	
Padding for calf strap	
Heel straps black nylon, adjustable length	
Extended footrest fits onto the existing footrest	
Positioning belt two pieces, with snap-lock, fixing points on the wheelchair frame	
Headrest mounts with an attachment on bow handle, adjustable in height, depth and angle Available in several models	

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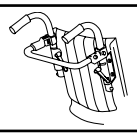
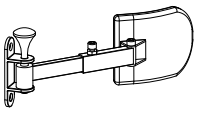
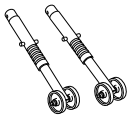
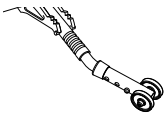
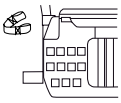
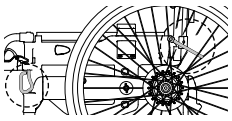
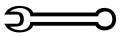
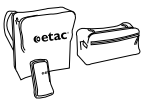
Adjustable= Adjusted without tools.

5 Accessories

Backrest brace with snap lock	
Back wedge length 15 and 30 cm, attached with Velcro	
Trunk support settable in depth and angle, black Dartex, foldable, incl. attachment	
Anti-tips foldable, height settable	
Anti-tips telescopic, foldable, settable height, adjustable in length and angle	
Cane holder two parts, one of which is an elasticated section which is fastened around the cane	
Spoke guard with grey or yellow print.	
Transport attachment	
Tool kit	

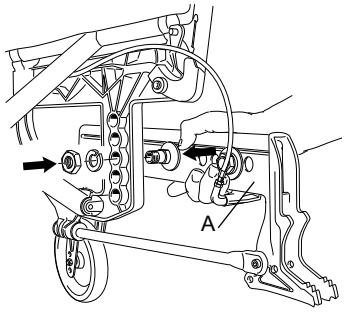
Bags front bag backpack mobile holder 	**Rain cape Proof**
Gloves	**Weather protector Proof**
Bags Case Logic	**Leg warmer Proof**

Information about bags, gloves and clothes is available at www.etac.com

6 Quick guide

This section is intended for anyone with experience of adjusting wheelchairs who only requires brief instructions.
More detailed instructions can be found after the Quick Guide.

6:1 Seat height



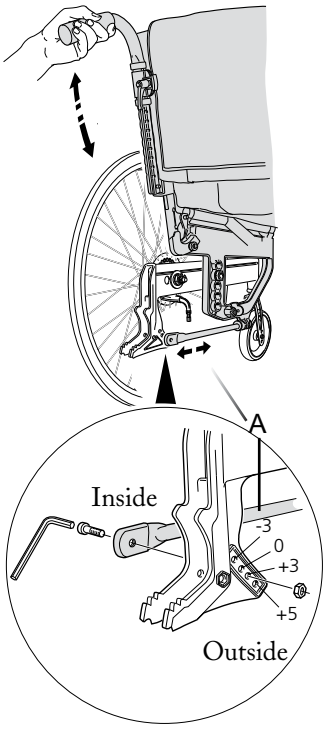
The seat height is settable by 10 cm without changing rear wheels, front forks or castors.

Undo the nuts holding each side bar. Pull out the bar by grasping it in the middle (A). Select new height position and secure the side bars.

Tools: 24 mm ring spanner

For further seat height adjustments, see 7.3.

6:2 Seat angle



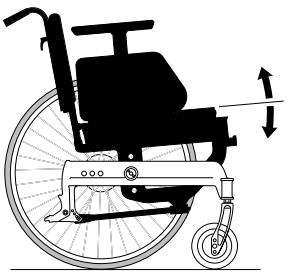
The seat angle can be adjusted to the fixed positions; +5, +3, 0, -3°.
Standard position -3°

Loosen both the screws that hold each seat angle bracket (A).
Grasp a push handle and move the seat unit up/down so that the seat angle is altered.
Select the desired position and tighten the seat angle bracket.

Tools: 5 mm Allen key

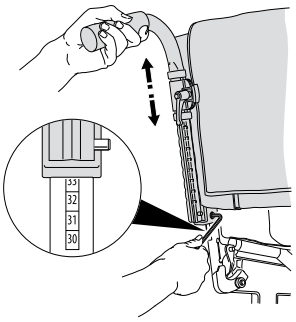
The front seat height is altered when the seat angle is adjusted. Starting from a flat seat:

-3° (seat tipped forward) produces a 15 mm lower seat at the front edge.
+3° (seat tipped backward) produces a 15 mm higher seat at the front edge.
+5° (seat tipped backward) produces a 30 mm higher seat at the front edge.



6 Quick guide

6:3 Backrest height

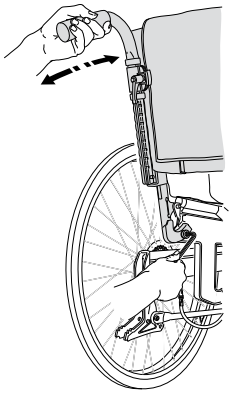


The backrest height is infinitely settable.

Loosen the screws on the inside of the back tubes by 2-3 turns.
Adjust the height by pulling/pushing the backrest upwards/downwards.

Tools: Allen key 5 mm

6:4 Backrest angle

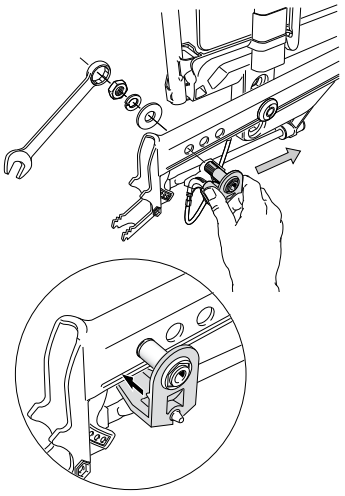


The backrest angle is infinitely settable.

Adjust one back tube at a time.
Loosen the screw on the inside of the backrest joint.
Adjust to the required angle and tighten.

Tools: Allen key 5 mm

6:5 The rear wheels' centre of balance



The rear wheels have 3 alternative positions for balance adjustment.

Undo the nut on the inside of the chassis. The brake cable can be angled downwards for better access.
Pull out the attachment and select new position. Secure the attachment with washers as shown in the diagram.

NB: The lower section of the attachment must fit into the notch on the chassis.
The brakes need no readjustment.

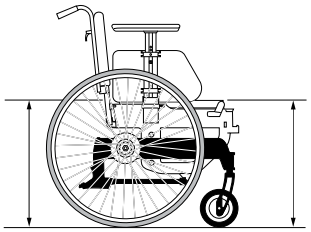
Tools: 24 mm ring spanner

Many of the settings affect the wheelchair's propensity to tip.
Ascertain whether there is a risk of tipping and adjust the anti-tips.

For more detailed instructions and other setting options, see chapter 9 and forward.

7 Settings seat

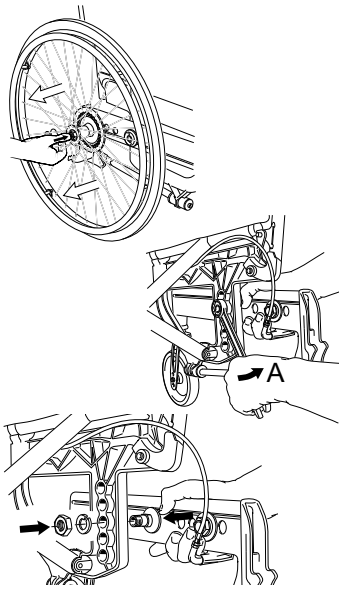
7:1 Seat height



The seat height is settable without changing rear wheels, front forks or castors.

For further height adjustment the rear wheel and front fork have to be changed. The castor wheels do not affect the seat height, and are selected solely based on application.

7:2 Adjustment of seat height using existing rear wheels and front forks



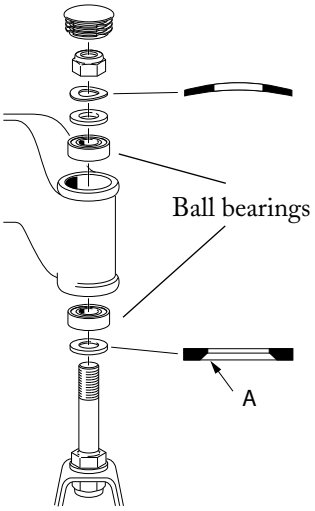
Remove the rear wheels by depressing the button in the centre of the hub while pulling the wheel out.
Undo the nuts holding each side bar.
Pull out the bar by grasping it in the middle (A).
Select new height position and secure the side bar.

Tools: 24 mm ring spanner

7:3 For further adjustment of seat height

For further adjustment of the seat height, rear wheels and front forks must be changed.
Each rear wheel size has a specific accompanying fork size. See table in section 16, Alternative seat heights/angles.

Remove the rear wheels (see point 7.2).



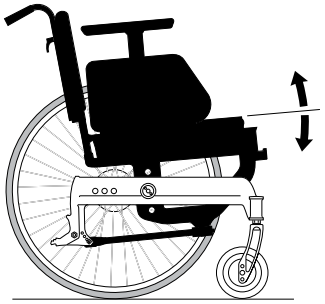
Changing front fork:
Begin by undoing the castor wheels and attaching them to the new forks (see section 12, Changing castor wheel/handrim).
Remove the cover cap from the front fork assembly so that the locking nut is accessible. Undo it and pull out the front fork. Take the washer from around the fork axle and put it on the new fork (the bevelled side (A) towards the fork). Insert the new fork into the attachment. It is also important to ensure that the washers in the attachment (under the retaining nut) are placed in the right order, with the spring washer on top. Tighten the retaining nut until it cannot be turned any more. Loosen ½-1 turn. The spring washer then has the correct tension and reduces the risk of the castor starting to "wobble".

Tools: 5 mm Allen key, 19 mm socket spanner

Do not change the castor wheel to change the seat height, see section 12 Changing castor wheel/handrim.

7 Settings seat

7:4 Seat angle

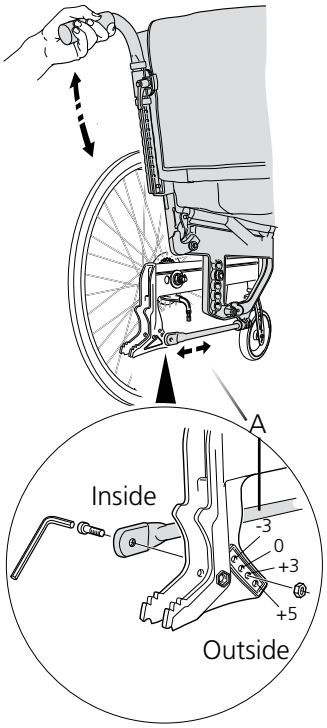


The seat angle setting affects the front seat height.
See seat height table, page 33.

The front fork attachments are fixed and must never be adjusted.

Do not change the castor wheel to change the seat angle! (See point 12.1)

7:5 Adjusting seat angle



The seat angle can be adjusted to the fixed positions; +5, +3, 0, -3 °

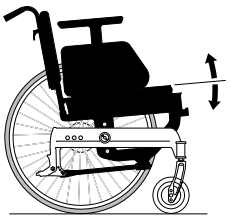
Loosen both the screws that hold each seat angle bracket (A):
Grasp a push handle and move the seat unit up/down so that the seat angle is altered.
Select the desired position and tighten the seat angle bracket. The square nut should be on the outside.

Tools: 5 mm Allen key

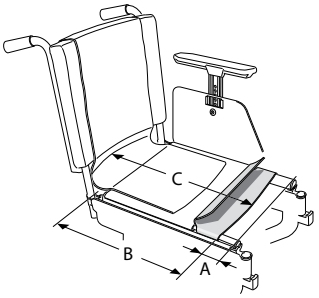
(!) The seat angle can be set while a person is sitting in the wheelchair.
The person must not lean against the backrest.

The front seat height is altered when the seat angle is adjusted.
Starting from a flat seat:

-3° (seat tipped forward) produces a 15 mm lower seat at the front edge.
+3° (seat tipped backward) produces a 15 mm higher seat at the front edge.
+5° (seat tipped backward) produces a 30 mm higher seat at the front edge.



7:6 Adjusting seat depth



The seat depth can be adjusted 0-6 cm at the front by lifting the front seat upholstery and sliding it backwards or forwards (A).

Short frame: 36 - 42 cm (Measured from the back tube) (B)
Long frame: 42 - 48 cm (Measured from the back tube) (B)

The functional seat depth (C) is affected by the position of the backrest upholstery.

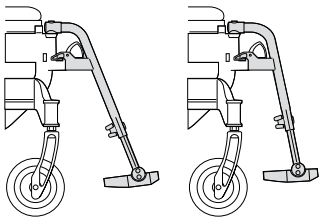
8 Settings legrests

8:1 Legrests

The legrests are lockable, detachable and can be swung to the side or under the seat.
They are available in two different knee angles: standard and narrow.
A continuously angle adjustable legrest with calf support is also available.

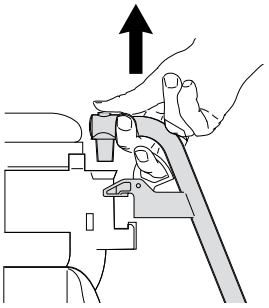
Amputee legrests are also available as alternatives to legrests.

8:2 Legrests standard or with a narrow angle or a short/narrow angle



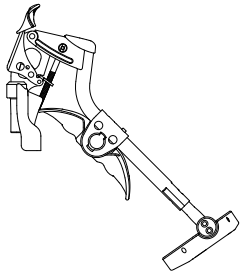
With a narrow angle the feet are 5 cm closer to the seat than with the standard angle.
The narrow legrests can be used with both 125 mm and 150 mm castors.
With the narrow/short legrest, the feet are 7 cm higher.

8:3 Legrests, locking



The legrest is removed by pressing the locking mechanism upwards.
The legrest locks automatically when it enters the correct position.

8:4 Continuously angle-adjustable legrest (option)

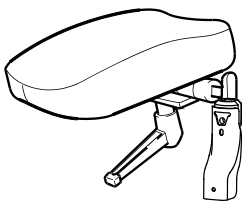


The legrest can be adapted for either the left or right side.
Directions for use are supplied with the legrest.
The calf support is adjustable in height and foldable.

As the angle adjustable legrest is not lockable, it must not be used to lift the wheelchair.

Remove the legrests and lift using the frame.

8:5 Amputee legrest (option)



The amputee legrest fits the left and right sides of the chair.
The amputee legrest is settable in height, angle and can also be adjusted forward and sideways.

Angle and sideways:	Loosen the lever under the plate.
Forwards/backwards:	Loosen the knob under the plate.
Height:	Use the Allen key provided.

Tools: 4 mm Allen key (provided with the amputee legrest)

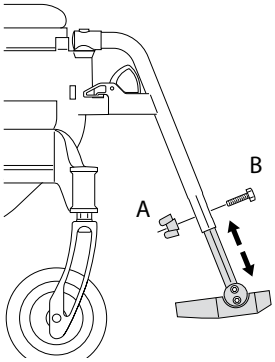
8 Settings legrests

8:6 Footrests

Next is supplied with divided, flip-up footrests that are adjustable in height, angle and depth.
To make the footrests lower than standard there are footrests with 10 cm longer attachment tubes.

For outdoor use the footrests should be raised 4-5 cm above the ground.
Never stand on the footrests as there is a risk of tipping!

8:7 Footrests, height adjustment

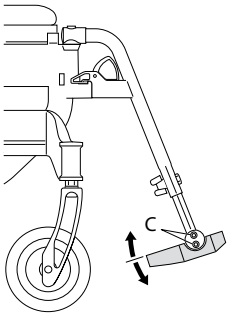


The footrests can be set at intervals of 2 cm.

Loosen the locking handle (A) on the legrest fully. Remove the screw (B). Set the height. Replace the screw and handle. Tighten securely.

With standard attachment tube: Max. length: 51 cm. Min. length: 33 cm
With extended attachment tube: Max. length: 61 cm. Min. length: 46 cm
With short attachment tube: Max. length: 41 cm. Min. length: 31 cm

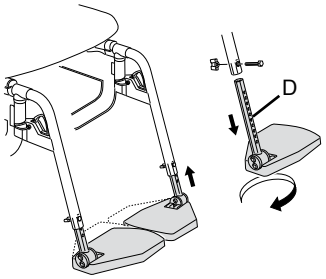
8:8 Footrests, angle and depth adjustment



The footrests are continuously angle-adjustable and have two alternative depth settings.

Angle: Loosen the screws (C) ½-3/4 a turn. Angle the footrest to the required position and tighten the screws.

Tools: 5 mm Allen key

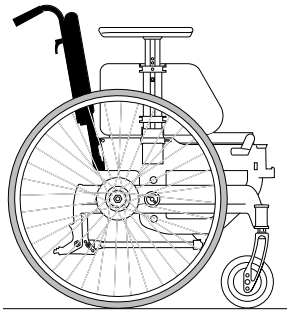


Depth: The attachment tube (D) is secured to the footrest 1/3 from the front edge. By changing the left side for the right they will extend further forwards. Pull out the footrest and attachment tube, turn it 180° and secure it to the other legrest tube. Adjust the footrest's angle.

Tools: 5 mm Allen key (to adjust the footrest angle)

9 Backrest settings

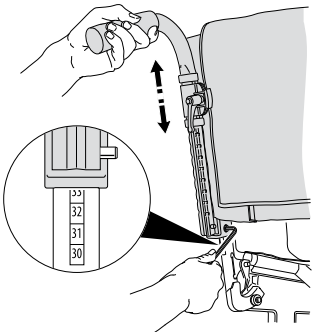
9:1 Backrest



The backrest is settable in height and angle and has adjustable backrest upholstery. The push handle is height adjustable.

Risk of tipping! Always check the position of the anti-tips after adjusting the backrest.

9:2 Backrest height

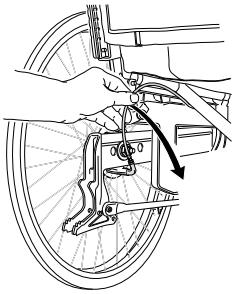


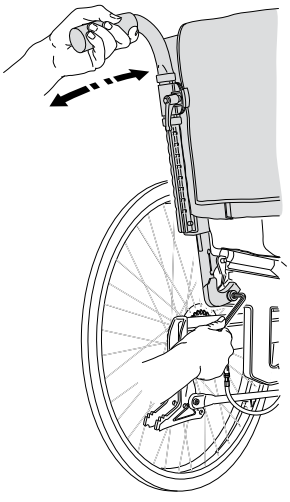
The backrest is infinitely settable.

Loosen the screws on the inside of the back tubes by 2-3 turns.
Adjust the height by pulling/pushing the backrest upwards/downwards.
Ensure that both back tubes are adjusted equally by checking the height against the straight edge on the rear of the backrest.
Tighten the screws securely.

Tools: Allen key 5 mm

9:3 Backrest angle





The backrest angle is infinitely settable.

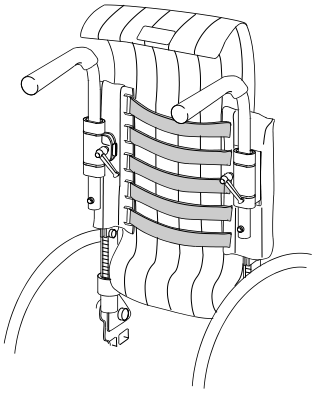
Adjust one back tube at a time. Loosen the screw on the inside of the backrest joint.
The brake cable can be angled down for better access.
Adjust to the required angle and tighten.
Repeat the procedure on the other side.

Tools: Allen key 5 mm

Risk of tipping! Always check the positioning of the anti-tips when changing the backrest angle.

9 Backrest settings

9:4 Backrest upholstery



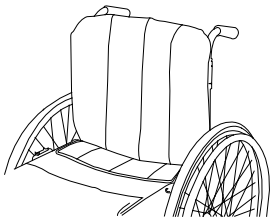
The contour of the backrest upholstery is individually adjustable by using the five Velcro straps and the backrest cover.

Allow the cover plenty of room between seat and backrest, so that it is possible to "sit in" against the backrest.
Loosen all the straps and ensure that the user is sitting as far back in the seat as possible. Tighten the straps so that they follow the contours of the back and give support to the lumbar region.

(!) If the upper straps are too tight it has a negative effect on the way the wheelchair unfolds.

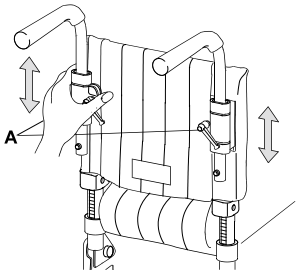
Risk of tipping! Always check the positioning of the anti-tips after adjusting the backrest upholstery.

9:5 Comfort cover (option)



The comfort cover increases the padding in the backrest and is used instead of a standard backrest cover.

9:6 Height adjustable push handles

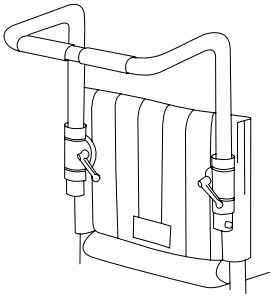


The push handles can be set at intervals of 2 cm.

Loosen the knob (A) and press the plastic washer. Install desired height.
Ensure that the push handles are locked in the correct position. Tighten the knobs.

Ensure that the knobs are properly tightened. This is especially important if the chair is to be lifted with the user sitting in it.

9:7 Bow handle (option)



The bow handle is height adjustable and detachable.

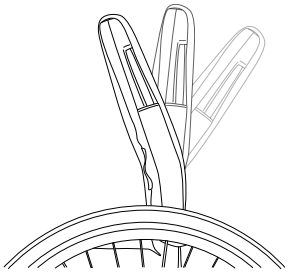
It is mounted in the push handle attachment, and is adjusted in the same way as the height-adjustable push handles.
It is also possible to mount a headrest on the bow handle.

Ensure that the knobs are properly tightened. This is especially important if the chair is to be lifted with the user sitting in it.

The bow handle must be removed before the chair can be folded.

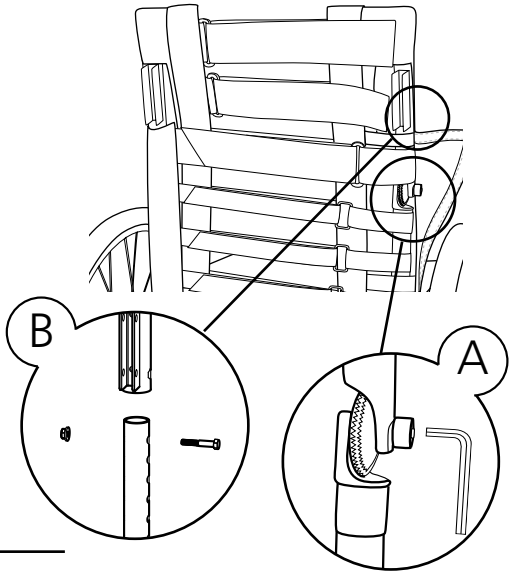
9 Backrest settings

9:8 Setting upper biangular backrest joint and backrest height (option)

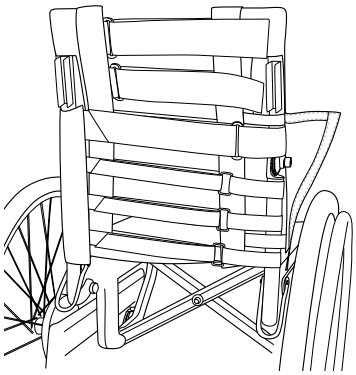


The backrest angle on Next biangular can be adjusted on half the back tube (A).

The backrest height is adjusted using nuts and bolts (B).



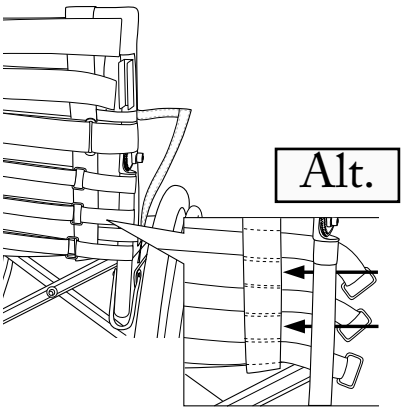
9:9 Setting biangular backrest upholstery



The contour of the backrest upholstery is individually adjustable by using the six Velcro straps, the lower four of which go around the back tube. The three lower straps can also be moved vertically. (see alt.)

Allow the cover plenty of room between seat and backrest, so that it is possible to "sit in" against the backrest.
Loosen all the straps and ensure that the user is sitting as far back in the seat as possible.
Tighten the straps so that they follow the contours of the back and give support to the lumbar region.

Biangular backrest must always be combined with **backrest** brace.

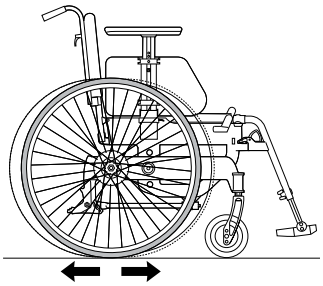


(!) If the upper straps are too tight it has a negative effect on the way the wheelchair unfolds.

Risk of tipping! Always check the positioning of the anti-tips after adjusting the backrest upholstery.

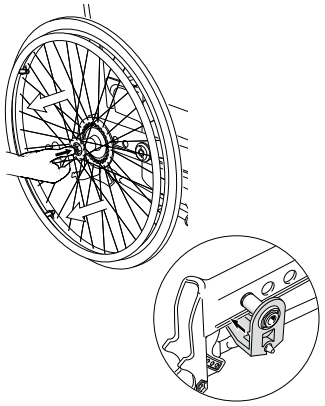
10 Centre of balance/brake

10:1 Adjusting the centre of balance



The centre of balance is affected by the mounting of the rear wheels longitudinally, the seat angle, the backrest angle and the user's weight distribution.
Operating conditions are greatly affected by the centre of balance.
The more weight that is placed over the rear wheels, the easier the wheelchair is to manoeuvre.
The more weight over the castor wheels, the heavier the chair becomes to operate.

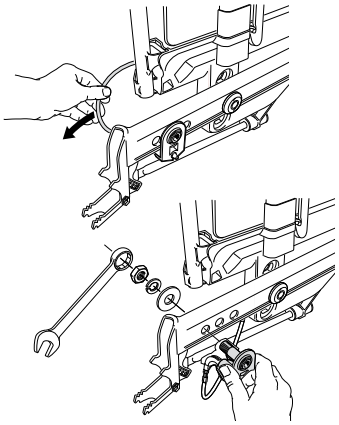
10:2 Rear wheels, balance adjustment



The rear wheels have 3 alternative positions for balance adjustment.

Remove the rear wheels by depressing the button in the centre of the hub.
Undo the nut on the inside of the bar. The brake cable can be angled downwards for better access.
Pull out the attachment and select new position.
Secure the attachment with washers as shown in the diagram.

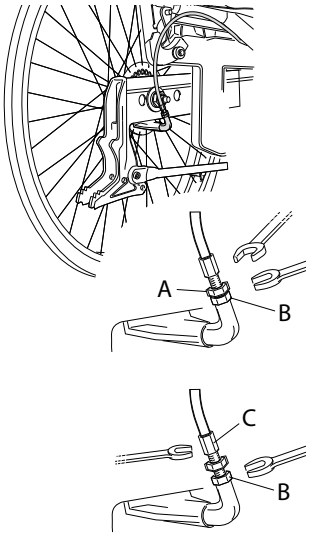
NB: The lower section of the attachment must fit into the notch on the chassis.
The brakes need no readjustment.



Tools: 24 mm ring spanner

Bear in mind the risk of tipping.

10:3 Brake, adjustment of brake cable



The brakes function regardless of the tyre pressure, and do not need to be adjusted when changing rear wheel size or position. If the brakes need adjusting, do so by altering the length of the brake cable:

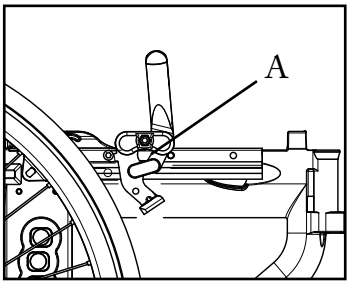
Loosen the top nut (A), so that the bottom one (B) can be adjusted.
Tighten or loosen the bottom nut, so that the brake pin does not touch the wheel when turning. At the same time, keep hold of the hexagonal terminal (C) on the cable housing.
Check the function of the brakes.

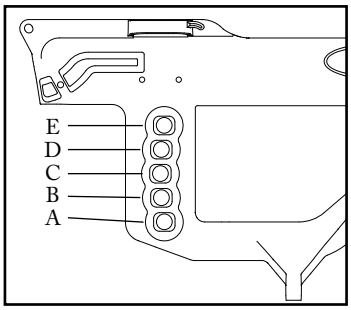
Screw clockwise: The pin moves in.
Screw anticlockwise: The pin moves out.

Tools: 8 and 10 mm U-spanner.

10 Centre of balance/brake

10:4 Setting knee brake (option)





The brakes are infinitely settable.

- Loosen the screw (A) a few turns and slide the brake until the brake block is about 20 mm from the tyre when the brake is not applied.
- Ensure that the brake is positioned straight in the groove and tighten the nut. Test the brakes.

Installation: The brake can be set high or low by turning the track in the aluminium rail up or down.

When installing in the D and E position the knee brakes should be set high.

Tools: 10 mm spanner.

If the rear wheel is positioned in one of the forward settings it is possible for a legrest, when swung to the side, to unlock an applied brake. To avoid this, the brake handle should be adjusted so that you attain a "neutral" position. In this way the brake will unlock first when the handle is pushed close to the rear wheel.

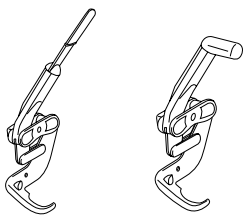
- Loosen the screw on the inside of the brake handle.
- Remove the oval plate, turn it 180° (the pin on the plate's inside must sit in the upper hole) and tighten it again.

Tools: Phillips screwdriver.

The braking effect is dependent on the air pressure in the tyres.
The brakes are parking brakes and should not be applied during use.

Brake lever extensions and angled brake handles are available as an option, see point 10:5.

10:5 Brake lever extension / Angled brake handle for knee brake (option)

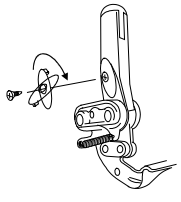


The brakes can be equipped with an extended or angled handle. Brakes can also be supplied directly with these accessories already fitted.

The brake lever extension can be folded forwards to facilitate transferring sideways to/from the wheelchair.

The brake lever shall be fully extended when applying and releasing the brakes.

Assembly instructions are supplied.



If legrests which are swung to the side accidentally apply the brakes, the handle can be adjusted so that you attain a "neutral" position. In this way the brakes will unlock only when the handle is pushed close to the wheel.

11 Driving technique, settings manoeuvring

11 :1 Driving technique

Weight distribution is the decisive factor when it comes to operating conditions. It is in part dependent upon the user's weight, size and seating position and in part upon the position of the rear wheels longitudinally.
The more weight that is placed over the rear wheels, the easier the wheelchair is to manoeuvre.
The more weight over the castor wheels, the heavier the chair becomes to operate.

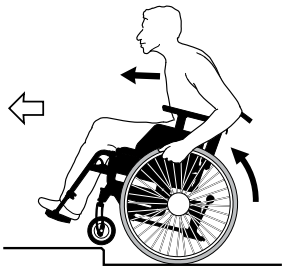
Care giver: If the user is left alone in the wheelchair, ensure that the brakes are applied and that the anti-tip is swung down.

Parking: Increase the overall support base of the wheelchair by reversing for about 10 cm thereby ensuring that the castor wheels swing forwards.

11:2 Ascending kerbs, higher thresholds

User, driving up forwards:
This technique is recommended only for experienced wheelchair users.

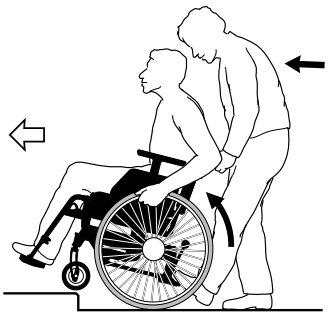
- Ensure that the anti-tips are turned upwards.
- Drive forward to the edge of the kerb/threshold.
- Balance the wheelchair on its rear wheels so that the castor wheels lift high enough off the ground to clear the obstacle. Take a firm hold of the handrims while at the same time leaning forwards with your upper body.



Lower the anti-tips again.

Care giver, driving up forwards:

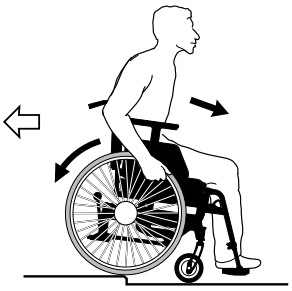
- Ensure that the anti-tips are turned upwards.
- Tilt the wheelchair, if necessary with help from the tilter, so that the castor wheels come up on the pavement.
- Lift by the push handles to help the rear wheels up.



Lower the anti-tips again.

User, driving up backwards:
This technique only works if there is a low kerb/threshold, relative to the installed height of the footrests.

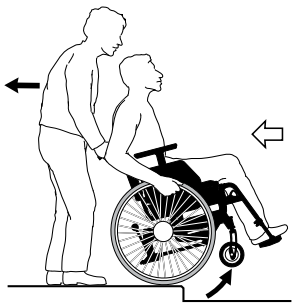
- Ensure that the anti-tips are turned upwards.
- Reverse to the edge of the kerb/threshold.
- Take a firm hold of the handrims while at the same time leaning forwards.



Lower the anti-tips again.

11 Driving technique, settings manoeuvring

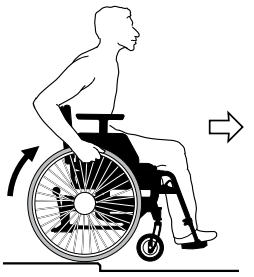
Care giver, driving up backwards:
- Ensure that the anti-tips are turned upwards.
- Reverse the chair to the edge of the kerb/threshold.
- Tilt the wheelchair up, if necessary with help from the tilter, so that the castor wheels are in the air.
- Pull the wheelchair upwards and backwards, ensuring that the castor wheels have cleared the edge before setting down the wheel chair onto all four wheels.



Lower the anti-tips again.

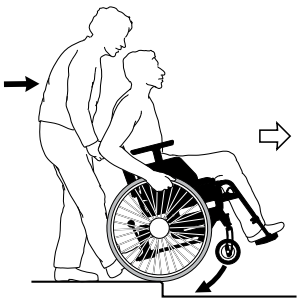
11:3 Descending kerbs

User, driving down forwards:
This technique is recommended only for experienced wheelchair users.
- Ensure that the anti-tips are turned upwards.
- Drive forward to the edge of the kerb.
- Take a firm hold on the handrims and drive "straight out" so that the wheelchair lands below the kerb on all four wheels simultaneously.



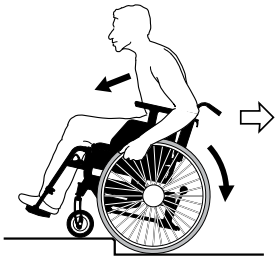
Lower the anti-tips again.

Care giver, driving down forwards:
- Ensure that the anti-tips are turned upwards.
- Tilt the wheelchair up, if necessary with help from the tilter, so that the castor wheels are in the air.
- Drive carefully down the kerb and set down the castor wheels onto the ground again.



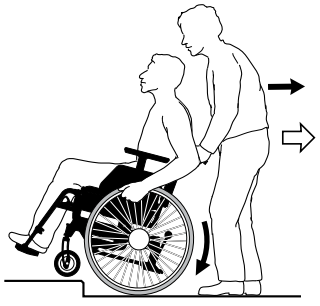
Lower the anti-tips again.

User, driving down backwards:
This technique is not recommended for differences in level of over 10 cm.
- Ensure that the anti-tips are turned upwards.
- Reverse to the edge of the kerb.
- Reverse carefully down while at the same time leaning forwards.



There is a greater risk of tipping during this manoeuvre.
Lower the anti-tips again.

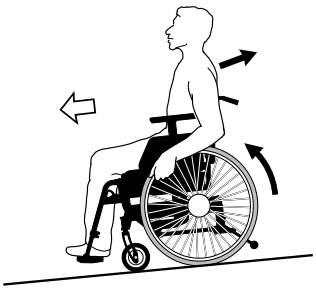
Care giver, driving down backwards:
- Ensure that the anti-tips are turned upwards.
- Reverse the wheelchair to the edge of the kerb.
- Drive carefully down the kerb and reverse the wheelchair on the rear wheels until the castors have cleared the obstacle.
- Set down the wheelchair on all four wheels.

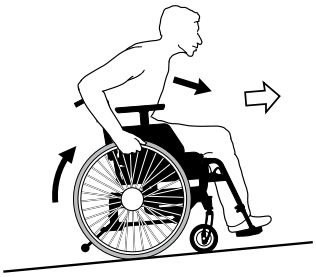


Lower the anti-tips again.

11 Driving technique, settings manoeuvring

11:4 Driving technique, inclined surface





The following constitutes important advice for driving up or downhill to avoid the risk of tipping.

(!) Avoid turning round in the middle of a hill.
Always drive as straight up/down as possible.
It is better to ask for help than to take a risk on your own.

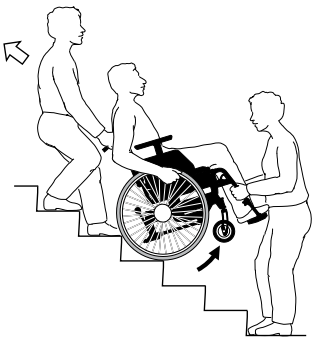
Uphill driving: Lean forwards to correct your centre of balance.
Downhill driving: Lean against the backrest to correct your centre of balance. Control your speed using the handrims, not by means of the brakes!

If you need to stop on a slope and apply the brakes, it can feel as if the brake levers have jammed when you try to release them again.

Uphill slope: Push the handrim forward as you release the brake.
Downhill slope: Brace your weight against the handrim as you release the brake.
With a care giver: Push the wheelchair gently forward or brace your weight against it as the brakes are released.

Experienced wheelchair users: "Rock" your upper body as the brakes are released.

11:5 Negotiating stairs, up



△ Always ask for help. Never use an escalator, even if a care giver is available. We always recommend using two carers for this transfer. One who walks behind and holds on to the push handle and one who walks in front and holds on to the frame (or in the legrests if these are lockable).

With care giver, backwards:

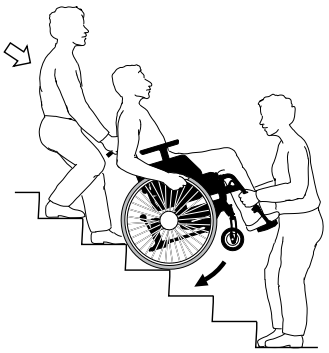
- Turn the anti-tips upwards and ensure that height adjustable push handles are securely tightened.
- Reverse the wheelchair to the first step.
- Tilt the chair onto its rear wheels, if necessary using the tilter to help.
- Pull the wheelchair slowly upwards, one step at a time, keeping it balanced on the rear wheels at all times.
- When the last step has been cleared, continue backwards so that the castor wheels are over the ground before setting down the wheelchair onto all four wheels.

△ Lower the anti-tips again after completed transfer.

(!) The care givers should remember to use the strength in their legs and to keep their backs as straight as possible while lifting.

11 Driving technique, settings manoeuvring

11:6 Negotiating stairs, down



Always ask for help. Never use an escalator, even if a care giver is available. We always recommend using two carers for this transfer. One who walks behind and holds on to the push handle and one who walks in front and holds on to the frame (or in the legrests if these are lockable).

With care giver, forwards:

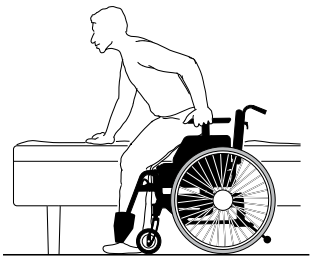
- Turn the anti-tips upwards and ensure that height adjustable push handles are securely tightened.
- Drive forward to the first step and tilt the wheelchair onto its rear wheels if necessary with help from a tilter.
- Drive carefully down, one step at a time, keeping the chair balanced on its rear wheels at all times.
- After clearing the last step, "set down" the wheelchair once again on all four wheels.

Be sure to turn the anti-tips back to the down position after completed transfer.

(!) The care givers should remember to use the strength in their legs and to keep their backs as straight as possible while lifting.

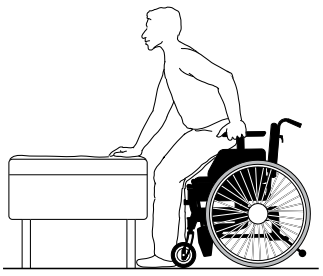
11:7 Transferring into/out of the wheelchair

The technique for transferring a user should be practised with trained personnel. All that is provided here is some important advice to consider in conjunction with transferring a user into or out of the wheelchair.



With or without a care giver, sideways.
Before transferring:

- Position the wheelchair close to the new seat.
- Reverse the wheelchair 5-10 cm so that the castors are turned fully forwards.
- Apply the brakes, remove or swing up armrest/side guard and legrest on the side you intend to move across



With or without a care giver, from the front.
Before transferring:

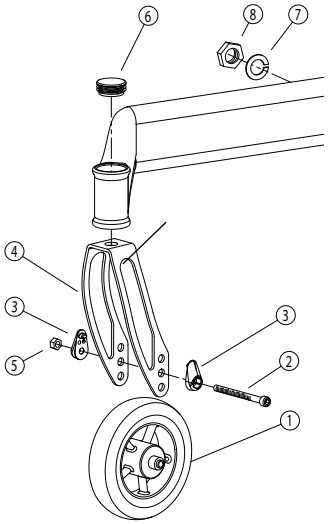
- Position the wheelchair close to the new seat.
- Reverse the wheelchair 5-10 cm so that the castors are turned forwards.
- Apply the brakes and swing the legrests in under the seat.

Never stand on the footrests as there is a risk of tipping!

(!) The care givers should remember to use the strength in their legs and to keep their backs as straight as possible while lifting.

12 Changing castor wheels/handrims

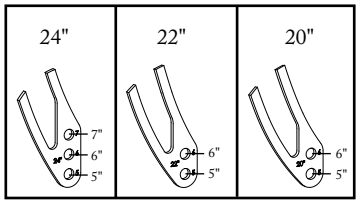
12:1 Changing castor wheels



Next can be equipped with 125 mm (5"), 150 mm (6") or 175 mm * (7") castors. Select a size to suit driving technique and environment, not to alter the seat height or angle.

* 175 mm is only suitable with 24" rear wheels.

Remove existing castor wheel by unfastening screw and nut.
Move the plastic components to the hole on the fork that is marked with the specific castor size.
Secure the new castor wheel.
Each rear wheel size has a specific accompanying fork size. See table, page 33.



Tools: 5 mm Allen key

12:2 Handrims

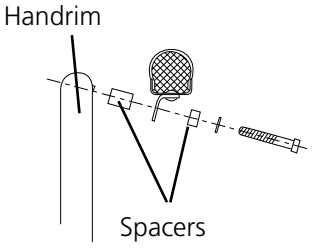
Next is delivered as standard with aluminium handrims.
The way in which the user is able to grip the handrims is influenced by the handrim's material and its distance from the wheel.
Stainless and plastic coated handrims are available as options.

The plastic coated handrims give a better grip, but also increase friction. Violent braking can cause mild friction burns (e.g. blisters).

Be aware that when passing through narrow spaces there is a risk of getting your fingers caught. There is also a risk of fingers getting caught in the spokes.

If there is a risk of the user's fingers getting caught in the spokes we recommend spoke guards.

12:3 Adjusting the distance of the handrim



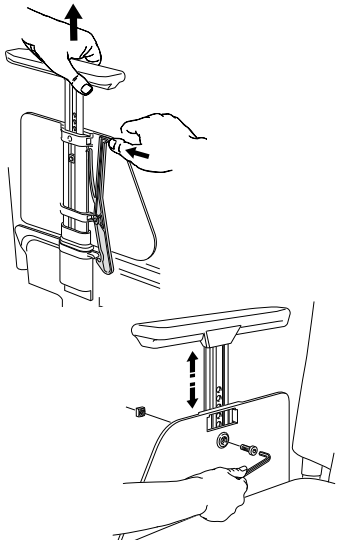
The distance between the wheel and the handrim can be adjusted by adding or removing spacers.

Tools: 4 mm Allen key.

13 Assembly instructions accessories

Assembly instructions are provided with all accessories when they are supplied by Etac. Instructions are also available on our website, www.etac.com

13:1 Armrest, lockable and detachable, height adjustment



The armrest comes in four versions, with short, long, high or low armrest guard. To remove the armrest, move the spring-mounted lever backwards, towards the armrest bracket, and lift up the armrest.

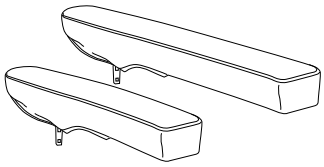
Height adjustment: The screw/nut is used both to set the height of the armrest and secure the side guard:

- Undo screw and nut.
- Slide the guard up or down to the desired height.
- Secure the sideguard again.

Tools: 5 mm Allen key.

Never use the armrests to lift the wheelchair.

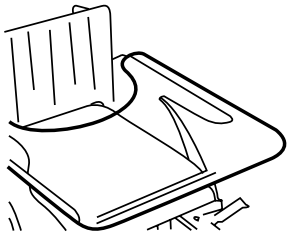
13:2 Padded cover, armrest



The armrests can either be supplemented with, or ordered complete with, a padded or gel cover. They are manufactured in dark grey plush or black Dartex and are washable.

(!) The cover makes the armrest 1,5 - 2 cm higher.

13:3 Tray



The tray is made of polycarbonate, with a recess to fit round the body. It is available in a range of sizes depending on the wheelchair's width.
It is mounted on the long armrests using Velcro straps.

The height is adjusted along with the armrests.

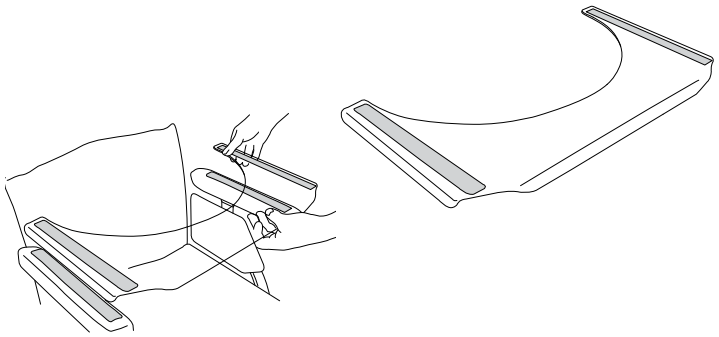
Tools: 5 mm Allen key (for adjusting the height of the armrest)

13 Assembly instructions accessories

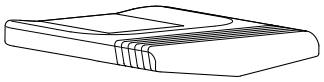
13:4 Hemi Tray

The Hemi Tray is attached to the accompanying padded armrest covers by means of the Velcro tape. These are supplied with Velcro on the upper side. The height is adjusted with the armrest.

The tray can be fitted onto short or long armrests.



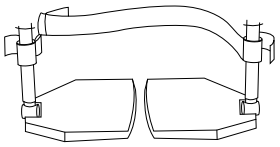
13:5 Seat cushion and comfort wedge



The cushion is delivered 56 cm long. It can be cut to the desired depth at the front edge.
When measuring the length, ensure that the cushion is properly positioned between the back tubes with the rounded corners to the rear.

The cushion is a standard model and is not suitable for users with sitting sores.

13:6 Calf strap

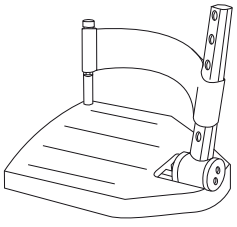


The calf strap is in two parts and can be separated when the legrests are swung out to the sides.
The length can be adjusted.
It can be mounted at any height with self-adhesive Velcro around the legrests.

(!) Adjust the length so that the foot is placed in the centre of the footrest.

Separate the calf strap (and flip up the footrests) before transferring into/out of the wheelchair.

13:7 Heel strap



The heel strap is mounted on flip-up footrests and is adjustable in length.

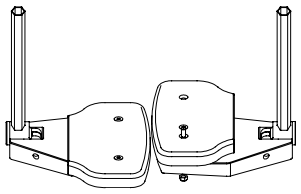
Hole instructions for fitting the screw are on the bottom of the footrest.
Front or back "corner" can be used. Make the hole by drilling (6 mm).

Tools: 10 mm spanner.

(!) Adjust the length so that the foot is placed in the centre of the footrest.

13 Assembly instructions accessories

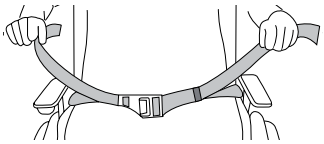
13:8 Extended footrest



Extended footrest fits onto the existing footrest. Hole instructions for fitting the screw are on the bottom of the footrest.
Make the hole by drilling (6 mm).

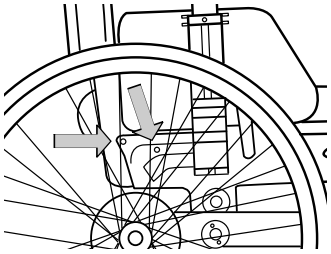
Tools: 3 mm Allen key

13:9 Positioning belt



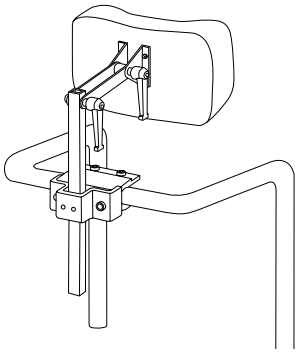
The positioning belt is in two parts, is adjustable in length and has a snap-lock. it can be secured in the backrest joints or in the hole located in front of the backrest joints.

(!) Ensure that the user does not slide forwards in the seat as this can lead to the belt impairing the supply of blood to the hip/waist area.



The belt is to be used only for positioning in the wheelchair.
It must not be used as a substitute for a car safety belt.

13:10 Headrest

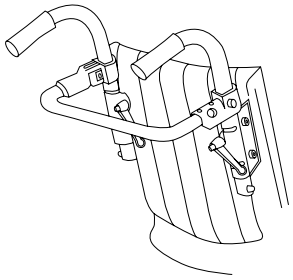


The headrest is mounted onto the bow handle (option, see description in the "Backrest settings" section). It is adjustable in height, depth and angle, and is detachable.

(!) Before the headrest is adjusted, ensure that the user has a good, secure sitting position.

Check the balance of the wheelchair when the user leans against the headrest. We recommend the use of anti-tips.

13:11 Backrest brace



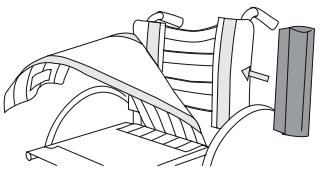
A **backrest** brace can be fitted to the backrest for extra stability.

It is recommended for high and/or rear-leaning backrests.
The **backrest** brace is fixed to the push handles and can easily be removed using the snap lock.

The **backrest** brace must be uncoupled if the chair is to be folded.

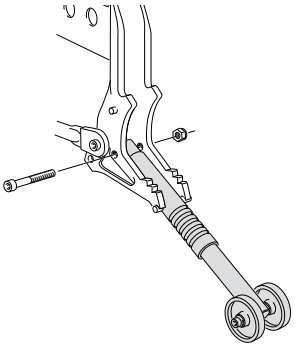
13 Assembly instructions accessories

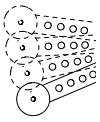
13:12 Backrest wedge



Backrest wedges are available in two lengths, 15 cm and 30 cm.
They are fixed, using Velcro, between the backrest upholstery and backrest cover at the desired height.
Backrest wedges increase both comfort and stability for the upper body.

13:13 Anti-tips, flip-up, mounting



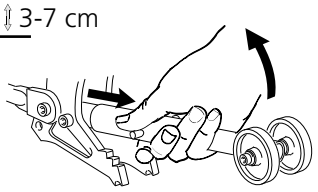


3-7 cm

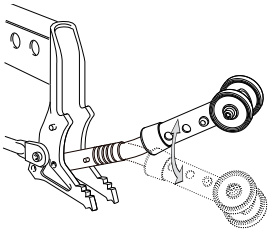
The anti-tips are mounted on the tilters. To raise them, pull the sleeve around the tilter downwards while folding it upwards.
Ensure that the anti-tips "click into position", when extended or folded.

Special anti-tips are required with 20" rear wheels.

5 mm Allen key

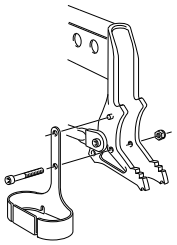


After adjusting the seat height, centre of balance or backrest angle, always ensure that you check the function of the anti-tips.

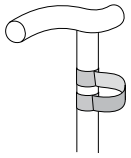


Telescopic anti-tips can be adjusted in length and angle by pressing in the snap-lock pin.

13:14 Cane holder, mounting

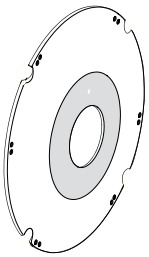


- Mount the holder on the back of the wheel mount with the screws and nuts supplied.
- Thread the elastic strap 'double' around the stick to make a loop (see illustration). The tip of the stick may have to be removed to allow you to attach the elastic.
- Place the stick in the holder and stretch the elastic loop over the push handle.



Tools: 5 mm Allen key.

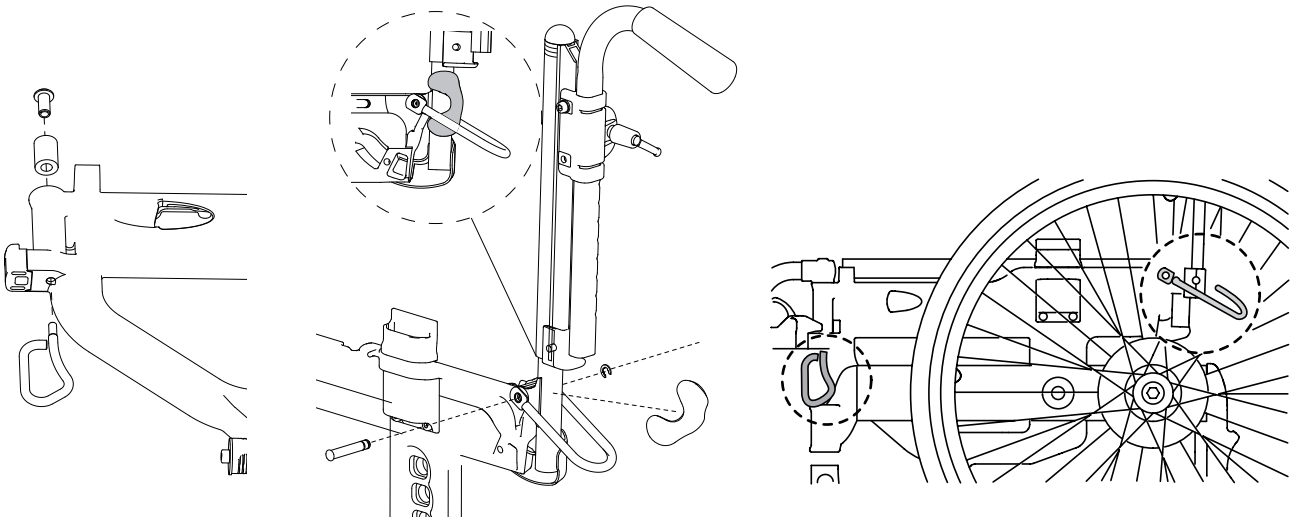
13:15 Spoke guards



The spoke guards prevent your fingers from becoming entangled in the spokes and also give some protection against splashing. They come in three sizes, corresponding to our rear wheel dimensions.
Fitted without tools using the plastic components supplied.

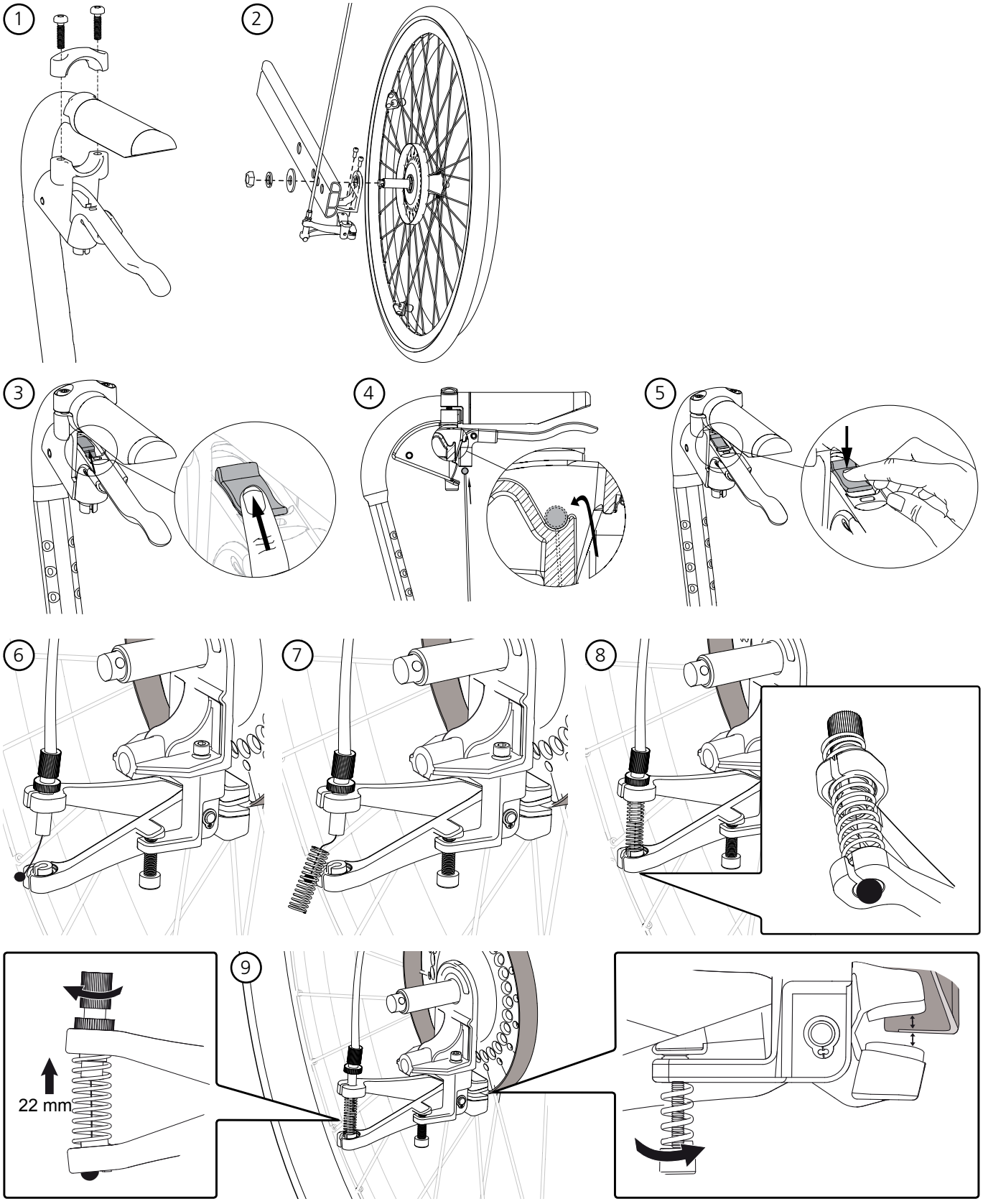
13 Assembly instructions accessories

13:16 Transport attachment



13 Assembly instructions accessories

13:17 Drum brake



14 Care and maintenance

Upholstery

The upholstery is made of two-ply polyester. The seat upholstery is fastened lengthways to the seat frame.
The upholstery can easily be removed from the frame by unscrewing the end caps.
The backrest upholstery is removed by undoing the push handle attachment.
Then pull the upholstery upwards and wash according to the washing instructions on the product.

Rear wheel/castor

Tyre/inner tube: Check the tyre pressure (see side of tyre) and tread at least once a month.

Spokes: Loose spokes can lead to wheel wobble. Consult a cycle dealer or your Technical Aids Centre if it is necessary to adjust the spokes.

Wheel axles: Clean the wheel axles from hair and dirt as necessary.

Ball bearings: Require no maintenance.

Handrims: If a handrim should be damaged in such a way that it could lead to injury, it should be replaced.

Brakes

The braking effect is independent of the air pressure in the tyres. Encrusted dirt can have a negative effect on the brake mechanism.
Check the functioning of the brakes once a month. In the event of adjustments, see section 10 Centre of balance/brake.

Washing the frame

It is important to keep the wheelchair clean, both for your own comfort and the longevity of the chair. It is equipped with drainage holes which ensures that it is easy to wash and dry.
Clean the frame with a non-abrasive cleaning agent with a pH level between 5 and 9, or with a 70% disinfectant solution. Rinse and dry.

Miscellaneous

If there is a fault in your wheelchair you should contact your dealer or Technical Aids Centre.
Defective wheelchairs should not be used. If your chair needs reconditioning or repair, only original parts from Etac or components with equal quality, as specified in diagrams, should be used.
Etac will not be held responsible for damage or injury caused by use of non-original parts.

(!) When necessary, lubricate moving parts/joints with bicycle oil or similar.

14 Care and maintenance

Fault-finding chart

Problem*	Solution
The wheelchair pulls to the side	• Inflate the tyres • Rear wheel mountings are incorrectly fitted • The user is distributing weight unevenly
The wheelchair feels "heavy" to propel	• Inflate the tyres • Rear wheel mountings are incorrectly fitted • Clean the castor axles from hair and dirt • Too much weight over the castors. Adjust the centre of balance
The wheelchair feels "heavy" to turn	• Inflate the tyres • Clean the castor axles from dirt • Too much weight over the castors. Adjust the centre of balance
Brakes not effective	• Adjust the cable length, see section 10 Centre of balance/brake
Rear wheels "loose"	• Adjust the length of the axle shaft
Rear wheels hard to remove/replace	• Clean and lubricate the quick release with cycle oil or similar • Adjust the length of the axle shaft
The castors "wobble"	• The front forks are not tight enough • Too much weight over the castors. Adjust the centre of balance
The wheelchair is hard to fold/unfold	• The backrest upholstery is too tight • Clean and lubricate the cross-brace under the seat
The wheelchair feels "awkward"	• Inflate the tyres • Check that screws, nuts and bolts are properly tightened

(!) When necessary, lubricate moving parts/joints with bicycle oil or similar.

* The user may experience several of these problems if the wheelchair is incorrectly adjusted or is being incorrectly used.

15 Tests and guarantees

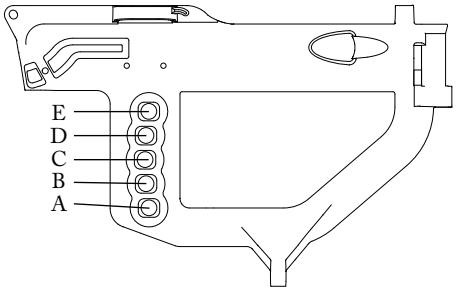
Next	is tested and approved for use indoors and outside and is CE marked. Max. user weight is 135 kg.
The Swedish Institute of Assistive Technology	carries out both functional and technical tests. Testing methods conform to ISO standard 7176.
CE marking:	The product has passed all tests and met all criteria set by European standards for specific product groups. A proof that the product meets national and EU MDD (**M**edical **D**evice **D**irective) requirements. Gives customers the chance to choose the right product by comparing test data.
Guarantee:	5 year guarantee against material and manufacturing defects. For terms and conditions, see www.etac.com
Special adaptations:	comprise everything that falls outside the instructions and settings in this Manual. Wheelchairs specially adapted by customers are not eligible for Etac's CE marking. Etac's guarantee no longer applies. If in doubt about adaptations, consult Etac.

16 Alternative seat heights/angles

Seat height and angle are set according to the description in the "Settings seat" section.
The castor wheels should not be replaced in order to change the height or angle of the seat, but should be selected solely with respect to driving technique and environment.

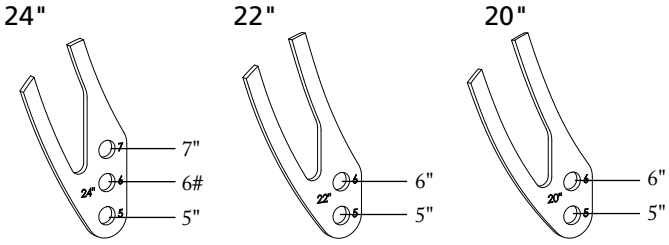
Seat height with seat tilted back +3°

	24"	22"	20"
E	44.0 cm	42.0 cm	40.0 cm
D	46.5 cm	44.5 cm	42.5 cm
C	49.0 cm	47.0 cm	45.0 cm
B	51.5 cm	49.5 cm	47.5 cm
A	54.0 cm	52.0 cm	50.0 cm



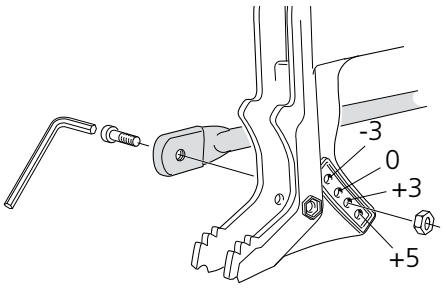
Dimensions and tolerance +/- 2%.

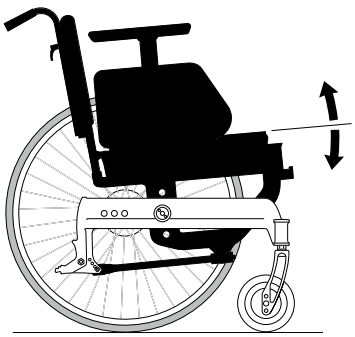
Fork	Castor wheel		
24"	7"=175x45 mm	6"= 150x30 mm	5"= 125x30 mm
22"	----------	6"= 150x30 mm	5"= 125x30 mm
20"	----------	6"= 150x30 mm	5"= 125x30 mm



Note the position in which each castor wheel is to be mounted. Incorrect mounting has a negative effect on operating conditions, as the front fork mountings are not adjustable on Next.

Alternative seat angles

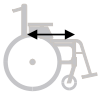




The front seat height is altered when the seat angle is adjusted.
Starting from a flat seat:

-3° (seat tipped forward) produces a 15 mm lower seat at the front edge.
+3° (seat tipped backward) produces a 15 mm higher seat at the front edge.
+5° (seat tipped backward) produces a 30 mm higher seat at the front edge.

17 Weights and dimensions, standard models

Type of chair	Art. no.	Seat depth from back tubes 	Seat height	Backrest height	Total width	Transport width	Weight incl. rear wheel, legrest, anti-tips, ht. adj. push handle
35 cm short	13200101	36-42 cm	44-54 cm	31-45 cm	54.5 cm	23 cm	15.95 kg
35 cm long	13200102	42-48 cm	44-54 cm	31-45 cm	54.5 cm	23 cm	16.25 kg
37.5 cm short	13200103	36-42 cm	44-54 cm	31-45 cm	57.0 cm	23 cm	16.0 kg
37.5 cm long	13200104	42-48 cm	44-54 cm	31-45 cm	57.0 cm	23 cm	16.3 kg
40 cm short	13200105	36-42 cm	44-54 cm	31-45 cm	59.5 cm	23 cm	16.1 kg
40 cm long	13200106	42-48 cm	44-54 cm	31-45 cm	59.5 cm	23 cm	16.4 kg
42.5 cm short	13200107	36-42 cm	44-54 cm	31-45 cm	62.0 cm	23 cm	16.2 kg
42.5 cm long	13200108	42-48 cm	44-54 cm	31-45 cm	62.0 cm	23 cm	16.5 kg
45 cm short	13200109	36-42 cm	44-54 cm	31-45 cm	64.5 cm	23 cm	16.25 kg
45 cm long	13200110	42-48 cm	44-54 cm	31-45 cm	64.5 cm	23 cm	16.55 kg
47.5 cm short	13200111	36-42 cm	44-54 cm	31-45 cm	67.0 cm	23 cm	16.3 kg
47.5 cm long	13200112	42-48 cm	44-54 cm	31-45 cm	67.0 cm	23 cm	16.6 kg
50 cm short	13200113	36-42 cm	44-54 cm	31-45 cm	69.5 cm	23 cm	16.4 kg
50 cm long	13200114	42-48 cm	44-54 cm	31-45 cm	69.5 cm	23 cm	16.7 kg
52.5 cm short	13200115	36-42 cm	44-54 cm	31-45 cm	72.0 cm	23 cm	16.45 kg
52.5 cm long	13200116	42-48 cm	44-54 cm	31-45 cm	72.0 cm	23 cm	16.85 kg
55 cm short	13200117	36-42 cm	44-54 cm	31-45 cm	74.5 cm	23 cm	16.5 kg
55 cm long	13200118	42-48 cm	44-54 cm	31-45 cm	74.5 cm	23 cm	16.8 kg
57.5 short	13200119	36-42 cm	44-54 cm	31-45 cm	77.0 cm	23 cm	16.6 kg
57.5 long	13200120	42-48 cm	44-54 cm	31-45 cm	77.0 cm	23 cm	16.9 kg

Next: The dimensions and weights indicated apply to chairs with 24" rear wheels/aluminium handrims, front seat height measured with seat tilted +3° back, legrests, anti-tips and height-adjustable push handles.

Choice of frame colours: 48 = blueberry, 53 = grey blaster.

Given measurements can vary +/- 2%

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